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August 16, 2006

**MAIL STOP PCT**

Commissioner for Patents  
 P.O. BOX 1450  
 Alexandria, VA 22313-1450

PCT/JP2005/003428  
 -filed February 23, 2005

Re: Application of Masato KOBAYAKAWA, Hitoshi TAKEDA, Hisayuki MIKI,  
 and Tetsuo SAKURAI  
**GALLIUM NITRIDE-BASED COMPOUND SEMICONDUCTOR**  
**MULTILAYER STRUCTURE AND PRODUCTION METHOD THEREOF**  
**Assignee: SHOWA DENKO K.K.**  
 Our Ref: Q80166

Dear Sir:

The following documents are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- a copy of the executed Declaration and Power of Attorney.
- a copy of the International Application.
- six (6) sheets of drawings (Figs. 1-6).
- a copy of the executed Assignment and PTO 1595 form.
- an Information Disclosure Statement and a copy of the ISR.
- a PTO/SB/08 A & B (modified) listing the ISR references and copy of each reference cited in the ISR.
- Written Opinion of the International Searching Authority.
- a Preliminary Amendment.

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

It is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f).

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IAP18 Rec'd PCT/PTO 16 AUG 2006



Commissioner for Patents  
Appln. No.: National Stage of PCT/JP2005/003428  
Attorney Docket No. Q80166  
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The Government filing fee, after entry of the Preliminary Amendment, is calculated as follows:

|                    |           |   |           |   |           |   |          |   |                 |
|--------------------|-----------|---|-----------|---|-----------|---|----------|---|-----------------|
| Total claims       | <u>38</u> | - | <u>20</u> | = | <u>18</u> | x | \$50.00  | = | <u>\$900.00</u> |
| Independent claims | <u>2</u>  | - | <u>3</u>  | = |           | x | \$200.00 | = | <u>\$0.00</u>   |
| Base Fee           |           |   |           |   |           |   |          |   | <u>\$300.00</u> |
| Search Fee*        |           |   |           |   |           |   |          |   | <u>\$400.00</u> |
| Examination Fee*   |           |   |           |   |           |   |          |   | <u>\$200.00</u> |

|                                  |                         |
|----------------------------------|-------------------------|
| <b>TOTAL FILING FEE</b>          | <u><b>\$1800.00</b></u> |
| <b>Recordation of Assignment</b> | <u><b>\$ 40.00</b></u>  |
| <b>TOTAL FEE</b>                 | <u><b>\$1840.00</b></u> |

\* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

Checks for the statutory filing fee of \$1800.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority/Benefit is claimed from:

| <u>Country</u>   | <u>Application No</u> | <u>Filing Date</u> |
|------------------|-----------------------|--------------------|
| Japan            | 2004-048500           | February 24, 2004  |
| U.S. Provisional | 60/549,440            | March 3, 2004      |

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Abraham J. Rosner'.

Abraham J. Rosner  
Registration No. 33,276

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Date: August 16, 2006